

ANOTHER QUALITY OVERHAUL.

BY

CERTIFIED ENGINES UNLIMITED, INC.

OF

MIAMI, FLORIDA

LOG # 4



The Standard

ENGINE LOG

ASH-SE-2

DATE

19

This Document Is To Serve As

Certification

of
Major Overhaul and Block Test Run
by

Certified Engines Unlimited, Inc.

MFG. Weycoming MODEL O-330H2AD SERIAL NO. RL-6230-76TTOTAL TIME 5952.1 hrs A.D. NOTES close rear logbook

PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS AGENCY UNDER

WORK ORDER NO. 20190 DATE 4/13/95~~Weycoming~~ FOR CERTIFIED ENGINES UNLIMITED, INC.

SIGNATURE OF AUTHORIZED INDIVIDUAL

4000 N.W. 145th ST., OPA-LOCKA AIRPORT, OPA-LOCKA, FLORIDA 33054

PHONE: (305) 685-8331

JAR 145 Approved

FAA APPROVED REPAIR STATION KG4R309M

and Alterations

icate Number of
r specific entries.)

19

SERVICEABLE

CERTIFIED
ENGINES
UNLIMITED, INC.4000 N.W. 145 St. Airport
Opa-Locka, Fla 33054
Phone: (305) 685-8331
Fax #: (305) 681-8027

FAA Approved Repair Station No. KG4R309M

Part Name EnginePart No. Wey O-330H2AD Sh RL-6230-76TJob No. 20190Remarks 101 SINCE CHANGE MAJOR
Overhaul & Test RunDate 4/13/95 Inspector

Inspector

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
19				

Certified Engines Unlimited, Inc.

FAA Approved Repair Station No. KG4R309M
4000 N.W. 145th Street, Airport, Opa-Locka, Florida 33054
Phone: (305) 685-8331

LIMITED OVERHAUL WARRANTY

1. **Subject Matter and Scope of Warranty.** Certified Engines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from defects in material workmanship. This Warranty is expressly subject to the terms and conditions set forth below and shall not apply outside the operational periods listed or to any engine which has been subject to misuse, neglect, accident or damage from the elements or which has been installed, repaired, maintained or altered in any manner which in the judgment of CEU has had an adverse effect on the performance or reliability of engine or part.

2. **Time Limits.** This Warranty for parts and labor, extends for a period of nine (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional prorated warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on geared engines. Certified Engines Unlimited considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours per month, regardless of actual engine operation hours.

3. **Express Conditions.** As a time and condition of this Warranty, the customer is required to follow factory recommended service procedures and maintenance guidelines.

4. Proper maintenance logbooks are to be kept by and maintained by the customer and shall be furnished to CEU on demand as a condition to the Warranty.

5. **Limitations and Exclusions.** All parts and labor are to be approved by CEU prior to commencement of work under this Warranty. CEU is responsible only for the cost of reasonable labor and materials necessary to repair or replace the parts CEU determines to be defective in material or workmanship at CEU's place of business, located at Opa-Locka, Florida. Under no circumstances shall CEU be responsible for charges incurred in the removal and reinstallation of defective parts or engines.

6. **THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS AND FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR DEALING OR TRADE USAGE. THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OF CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.**

7. **LIMITATION ON LIABILITY.** IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF A REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS.

8. **CRACKED CYLINDERS AND CRANK CASES ARE EXCLUDED FROM ALL WARRANTIES, UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.**

DATE
19 _____

RECORDING
TACH
TIME

TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of
Technician or Repair Facility. (See back pages for other specific entries.)

DATE

19 _____



FAA NO. K04R309M

MAINTENANCE RELEASE

The aircraft engine and/or component identified was repaired and inspected in accordance with current Civil Air Regulations and was found airworthy for return to service.

Pertinent details of the repair are on file at this agency under work order No. 20190

Date 4/13/95

Signed [Signature] for
(Signature of authorized individual)

CERTIFIED ENGINES UNLIMITED, INC.
4000 N.W. 145 ST.; OPA-LOCKA AIRPORT, FLA. 33064
PHONE (305) 685-8331

CAUTION

This engine has been test run according to factory recommended procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty.

For proper warranty coverage consult Certified Engines before any repairs or adjustments are made on the engine.

CAUTION

Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul, eg. prop, prop governor, oil cooler, oil tank, & all fuel & oil lines.

ns f S.)	DATE	RECORDING	TODAYS	TOTAL	Description of Inspections, Tests, Repairs and Alterations	Number of Countries.)
	19				<p>13 April 1995 This engine model Lycoming O-320 H2AD, serial #RL-6230-76T was overhauled by Certified Engines Unlimited, Inc., of Opa Locka, Florida according to factory recommended procedures, specifications, limits, and pertinent Federal Aviation Regulations.</p> <p>All internal steel parts were magnafluxed and all non-ferrous materials were checked for cracks. All the guidelines from the Lycoming Table of Limits SSP#1776 and Overhaul Manual #60294-9 were followed at time of overhaul.</p> <p>The magneto inspected & repaired by Aviation Component Int'l inc., CRS #JZXR263L...& supplied by the customer. The carburetor OHC by Consolidated Fuel Systems, Inc., CRS#FUXR511K. The starter OHC by Executive Accessories, Inc., CRS#RL4R496M. All tags received from the accessory suppliers are located at the rear of this logbook.</p> <p>The camshaft reground to the specifications of the manufacturer by Aircraft Specialties Services, CRS#DD2R764K. The crankcase OHC by Divco, Inc., CRS #DB2R762K. Four 'Nu-Chrome' OHC cylinders, a new ignition harness and a new set of spark plugs were installed.</p>	
					<p>CERTIFIED ENGINES UNLIMITED, INC. OPA-LOCKA AIRPORT, FLORIDA FAA CRS #KG4R309M (305) 685-8331 WO # 26196 DATE 4/13/95 AUTH. SIG. <u>[Signature]</u></p>	

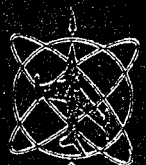
DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of (entries.)
19				

13 April 1995

After final assembly, this engine was run-in on test stand for a period of three hours with all temperatures, pressures, and performances within those limits as prescribed by the factory.

All airworthiness directives complied with at major overhaul are listed at the rear of this logbook. This engine is airworthy and acceptable for return to normal service.

CERTIFIED ENGINES UNLIMITED, INC.
 OPA-LOCKA AIRPORT, FLORIDA
 FAA CRS #KG4R309M
 W/O # 20190 (305) 685-8331
 AUTH. SIG. [Signature] DATE 4/13/95



The Standard

ENGINEERING LOG

ASA 315-7

N75908

YEAR: 02 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3-23-00	TAC 3930.40			THIS ENGINE WAS REMOVED
	HOBBS 667.1			FROM C-172N N6535D.
	TSMOH 1401.0			THE LAST ENTRY IN THE LOG
				BOOKS WAS ON 7-30-97 WHICH
				STATES THAT THE ENGINE
				HAS 1401.0 HRS SMOH. AD
				80-04-03 R2 C/W.
				REPAIR BY [REDACTED] DA

Repair

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3-23-00	3930.40			REPLACED INTAKE & EXHAUST PUSH RODS
HOBBS 667.1				DUE TO WEAR. INSPECTED LIFTERS, ROCKER ARMS,
TSMOCH 1401.0				VALVES. RUN CK OK. RETURN TO SERVICE.
				<i>[Signature]</i> APU30083791
3-23-00	3930.40			INSTALLED ENGINE TANK COSSNA'S MAINTENANCE
HOBBS 667.1				MANUAL.
TSMOCH 1401.0				<i>[Signature]</i> AIP 249731712
3-24-00	3930.40			I CERTIFY THAT I HAVE INSPECTED
HOBBS 667.1				THIS ENGINE (ONCE), DUE TO AN
TSMOCH 1401.0				ENGINE CHANGE, I AM AN AVALON
				INSPECTION AND DETERMINED IT TO BE
				IN AN AIRWORTHY CONDITION. <i>[Signature]</i>

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	DATE _____ 19_____ 8/14/00
6-17/00	4133.72			CHANGED OIL & FILTER. COMPRESSION	
	4066.5	885.8		CK CW #1 $\frac{76}{90}$ #2 $\frac{78}{90}$ #3 $\frac{74}{80}$ #4 $\frac{76}{80}$	
				I CERTIFY THAT I HAVE	
				INSPECTED THIS ENGINE AND	
				AN ANNUAL INSPECTION AND	
				DETERMINED IT TO BE IN AND	
				AIRWORTHY CONDITION AT THE	
				TIME OF INSPECTION	
				SIGNED BY [REDACTED] IA	

[Signature]

████████████████████

YEAR: 2000 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/17/00	4346.8			C/W 100HR INSP. CHANGED OIL & FILTER.
		TSMO	1817.4	SERVICE W/ CH 48103 & LGTS AS 15W50.
				CLEANED & GAP. SPARK PLUGS. CYLINDER
				COMPRESSIONS - #1-75 #2-70 #3-70 #4-75
				I CERTIFY THAT THIS ENGINE HAS BEEN
				INSPECTED IAW A 100HR INSPECTION. AND
				WAS DETERMINED TO BE IN AIRWORTHY
				CONDITION. KIM S. HONIG AP

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YEAR: 2001 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/30/01	4443.1			Q/W 100HR INSP. CHANGED OIL & FILTER.
		TSMO	1913.7	SERVICE W/CH 48103 & GOTS AS 15W50.
				CLEAN AND GAP PLUGS. REPLACE BRACKETT
				INDUCTION FILTER. REPLACE #2 AND #3 CYLINDER
				ASSEM. O/OVERHAULED CYLINDERS. I CERTIFY
				THAT THIS ENGINE HAS BEEN INSPECTED THW
				A 100HR INSPECTION AND WAS DETERMINED
				TO BE IN AIRWORTHY CONDITION.
				Kim S. [redacted] AP: [redacted]



Maintenance Release

The Aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under Work Order# 4708

Dated 08/27/01

Inspected by [Signature]

Certificate # [Redacted]

SERVICEABLE

Name Aerial Messages 3 Flight Service

Unit Lycoming O-320H2AD Cylinder

ID # 4708

AD or Service Bulletins _____

Work Performed Overhaul

Complete Assembly

FAA Certificate No. DN6R609N

D&S AVIATION AND MACHINE, INC.
435 B2 Airpark Road
Edgewater, FL 32132
(904) 409-7555



Maintenance Release

The Aircraft, airframe, aircraft engine, propeller, or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under Work Order# 4709

Dated 08/27/01

Inspected by [Signature]

Certificate # [Redacted]

SERVICEABLE

Name Aerial Messages Flight Service

Unit Lycoming O-320H2AD Cylinder

ID # 4709

AD or Service Bulletins _____

Work Performed Overhaul

Complete Assembly

FAA Certificate No. DN6R609N

D&S AVIATION AND MACHINE, INC.
435 B2 Airpark Road
Edgewater, FL 32132
(904) 409-7555

YEAR: <u>2001</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-6-01	4541.7			TSMO 2011.7 - 4/W 100HR INSPECTION. CHANGED
				OIL & FILTER. SERVICE W/CH 48103 AND
				ASIN 150150. REPLACED INDUCTION FILTER.
				REPLACED ALL SPARK PLUGS. CYL. COMPS.
				#1-73/80 #2-75/80 #3-75/80 #4 72/80. I CERTIFY
				THAT THIS ENGINE HAS BEEN INSPECTED IAW
				A 100HR INSPECTION AND WAS DETERMINED
				TO BE IN AIRWORTHY CONDITION.
				Kim S. Hartford AD [REDACTED]

